

1 MW Grafton Science Park Photovoltaic Array 2014

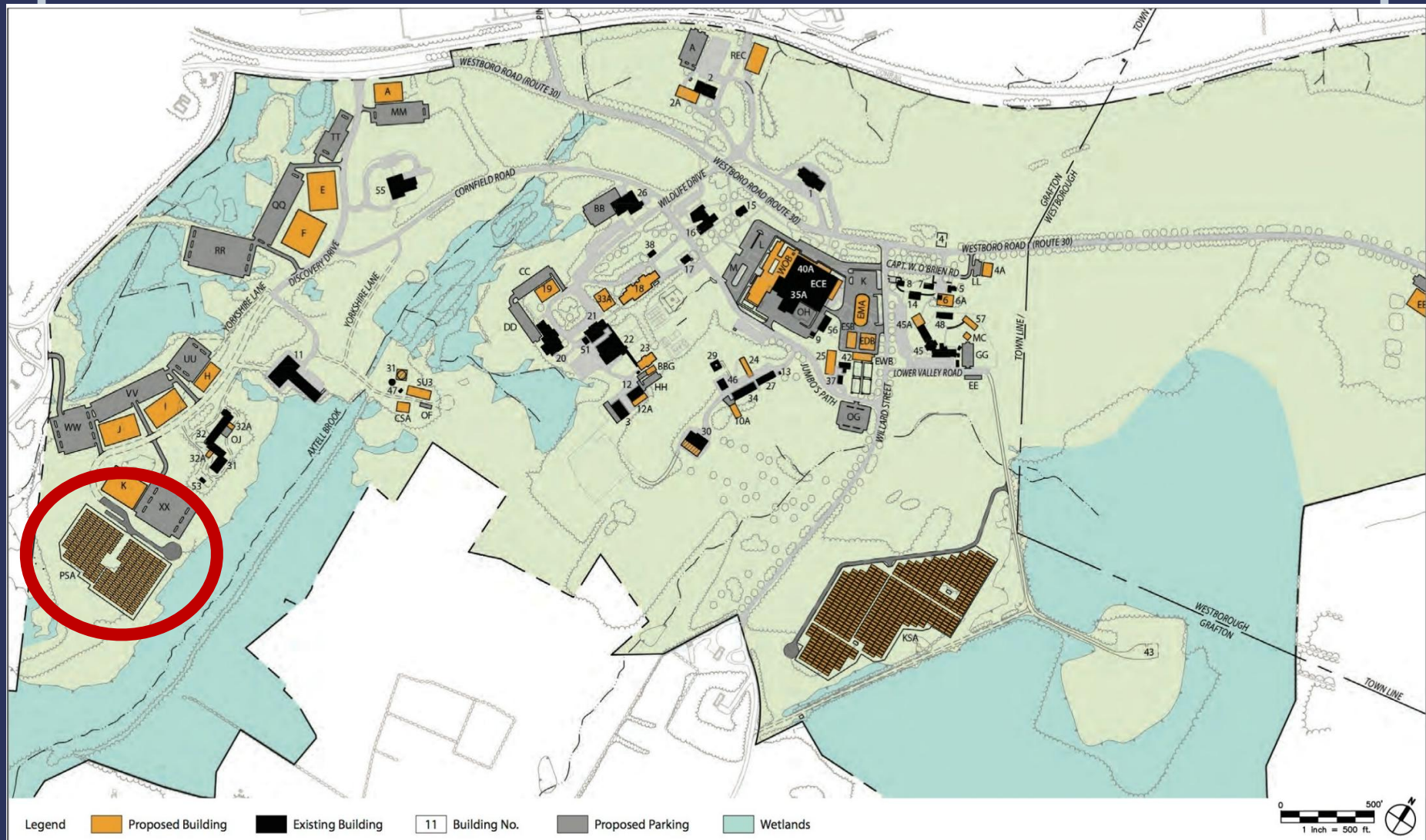
Cummings School of Veterinary Medicine at Tufts University
SunEdison LLC.

Grafton Planning Board
October 6, 2014

Project Introduction

- Approved as part of 2014 Amended Grafton Campus Master Plan
- Designed in accordance with Grafton Zoning By-Law, Section 9 – Campus Development Overlay
- Will provide up to 1.263 MW DC of virtual net meter credits to campus
- In conjunction with the east campus knoll array, will supply up to 40% of campus electric power needs

2014 Amended Grafton Master Plan



Aerial Image of Site



Project Summary

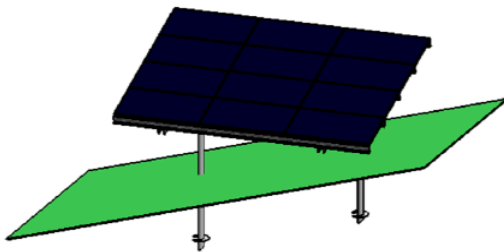
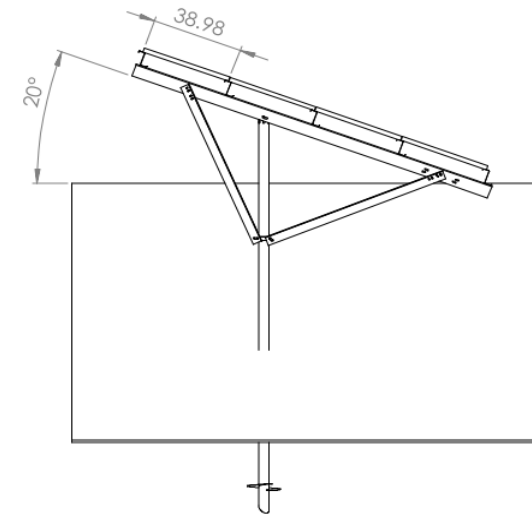
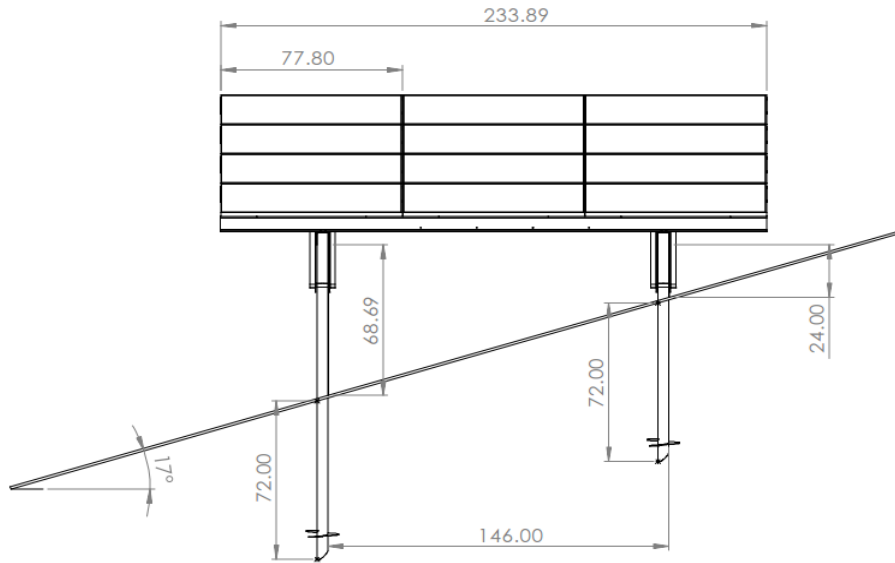
- 3,828 MEMC-M320 MBC Solar Modules
- 319 GameChange Racks in a 4x3 configuration
- Goundscrew foundations
- 2 AE 500TX Inverters
- Occupies ~ 3.45 acres
- Fire access road with turn around
- Chain link perimeter fencing
- Stormwater facilities

Site Plan



Racking Detail

SunEdison: Grafton, MA 2014-06-17
Silvantis M330 (77.8" x 38.98" x 1.97")



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TOLERANCES:		CHECKED	
FRACTIONAL: $\pm 1/64$		ENG APPR.	
ANGULAR: MACH ± 1 BEND ± 1		MFG APPR.	
TWO PLACE DECIMAL: $\pm .02$		Q.A.	
THREE PLACE DECIMAL: $\pm .003$		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL:			
FINISH:			
NEXT ASSY	USED ON		
APPLICATION		DO NOT SCALE DRAWING	



TITLE: GCMS-HP(SunEd)			
SIZE	DWG. NO.	REV	
B			
WEIGHT:		SHEET 1 OF 1	

Zoning Summary

- Project is located with Campus Development Overlay
- Meets all applicable requirements of section 9.6
- Accessory use to main campus
- 92.2% Open Space within 1,000 ft. radius
- 0.07 FAR
- Exceeds required setbacks

